

Title (en)

METHOD FOR CONTROLLING AN ALTERNATOR SUITABLE FOR SUPPLYING ELECTRICITY TO AN ELECTRIC COMPRESSOR CONFIGURED TO COMPRESS THE AIR AT THE INTAKE OF A HEAT ENGINE

Title (de)

VERFAHREN ZUR STEUERUNG EINES GENERATORS ZUR STROMVERSORGUNG EINES ELEKTRISCHEN VERDICHTERS ZUR KOMPRIMIERUNG DER LUFT AM EINLASS EINER WÄRMEKRAFTMASCHINE

Title (fr)

PROCEDE DE COMMANDE D'UN ALTERNATEUR APTE A ALIMENTER ELECTRIQUEMENT UN COMPRESSEUR ELECTRIQUE CONFIGURE POUR COMPRIMER L'AIR A L'ADMISSION D'UN MOTEUR THERMIQUE

Publication

EP 3025409 A2 20160601 (FR)

Application

EP 14750580 A 20140724

Priority

- FR 1357279 A 20130724
- FR 2014051923 W 20140724

Abstract (en)

[origin: WO2015011420A2] The invention relates to a method for controlling a rotary electric machine (15) operating as an alternator when driven by a heat engine, the electric machine (15) being part of an electric circuit (1) also including a power storage unit (10) and an electric compressor (11) configured to compress the air at the intake of the heat engine, the electric circuit (1) being configured such as to selectively enable the supply of power to the electric compressor (11) by means of: a first power supplied by the power storage unit (10); and a second power from the rotary electric machine (15) when driven by the heat engine, method wherein the value of the voltage supplied by the rotary electric machine (15) is controlled on the basis of at least the charging status of the power storage unit (10) and the speed of the heat engine.

IPC 8 full level

F02M 35/10 (2006.01); **H02J 7/14** (2006.01)

CPC (source: EP)

F02B 33/40 (2013.01); **F02B 39/10** (2013.01); **F02B 39/16** (2013.01); **F02D 41/0007** (2013.01); **H02J 7/14** (2013.01); **F02D 2200/503** (2013.01); **F02N 11/0866** (2013.01); **F02N 2200/061** (2013.01); **Y02T 10/12** (2013.01)

Citation (search report)

See references of WO 2015011420A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2015011420 A2 20150129; **WO 2015011420 A3 20150611**; EP 3025409 A2 20160601; FR 3009144 A1 20150130; FR 3009144 B1 20170127

DOCDB simple family (application)

FR 2014051923 W 20140724; EP 14750580 A 20140724; FR 1357279 A 20130724